

523,674

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
16 September 2004 (16.09.2004)

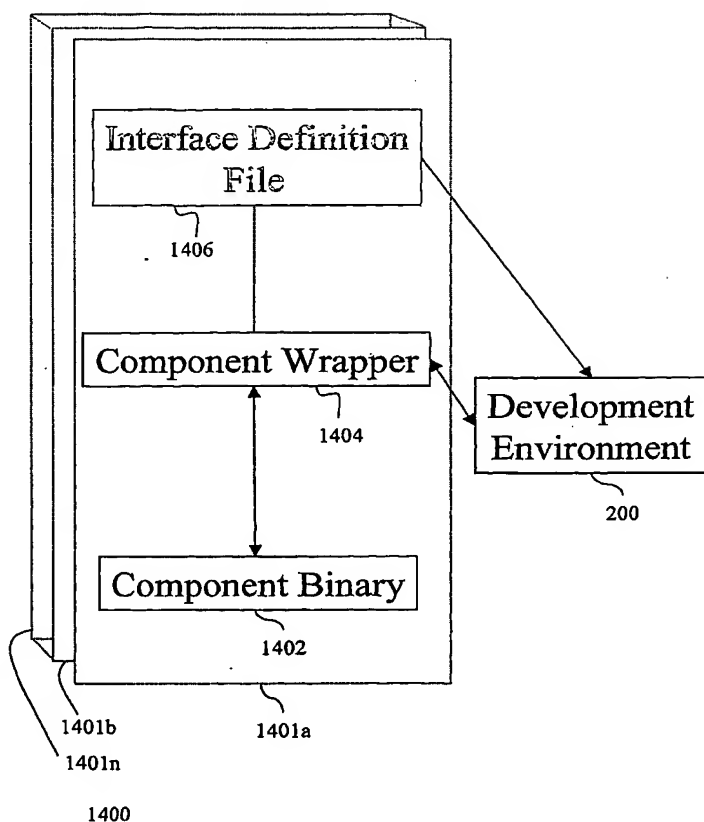
PCT

(10) International Publication Number
WO 2004/079568 A1

- (51) International Patent Classification⁷: **G06F 9/44**, 15/163
- (21) International Application Number: PCT/US2003/027447
- (22) International Filing Date: 4 September 2003 (04.09.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/451,689 5 March 2003 (05.03.2003) US
60/454,328 14 March 2003 (14.03.2003) US
- (71) Applicant: **EXPERT CONSULTANTS, INC.** [US/US];
9099 Ridgfield Lane, Suite 203, Frederick, MD 21701 (US).
- (72) Inventor: **LONG, Michael, V.**; 6309 Claridge Drive South, Frederick, MD 21701 (US).
- (74) Agent: **KONDRACKI, Edward, J.**; Miles & Stockbridge P.C., 1751 Pinnacle Drive, Suite 500, McLean, VA 22102 (US).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,

[Continued on next page]

(54) Title: SYSTEM AND METHOD FOR BUILDING A COMPONENT-BASED ARCHITECTURE.



(57) Abstract: A system and method for building a component-based architecture. One or more software components (1401) are registered with a component-based architecture development environment (200) in accordance with an interface definition file (1406). The interface definition file (1406) identifies one or more methods invocable by the associated component's encapsulated code. The development environment (200) enables a user to select the one or more methods for defining component-to-component relationships in a script configured in a hierarchal tree format.

WO 2004/079568 A1